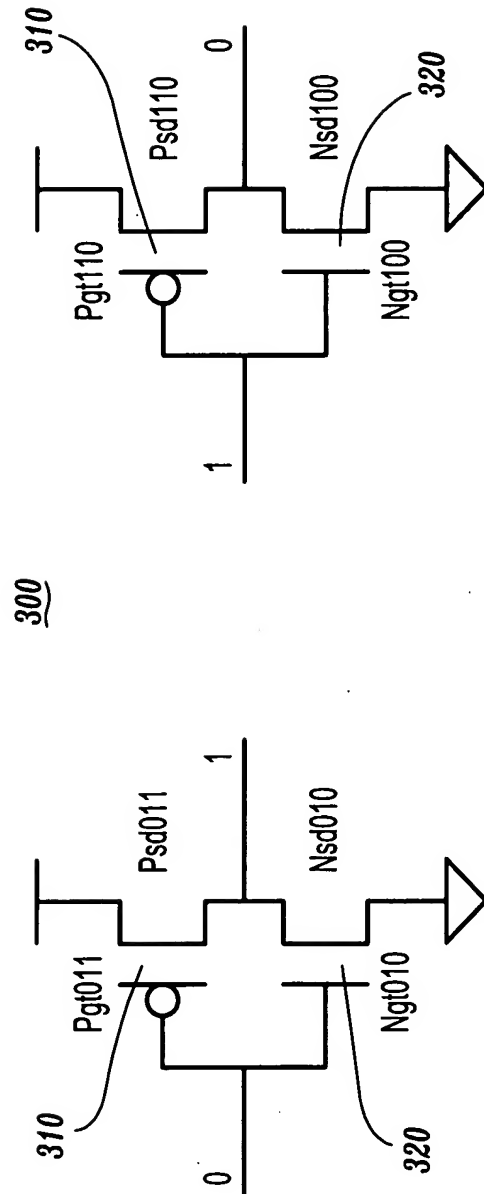


**FIG. 1**

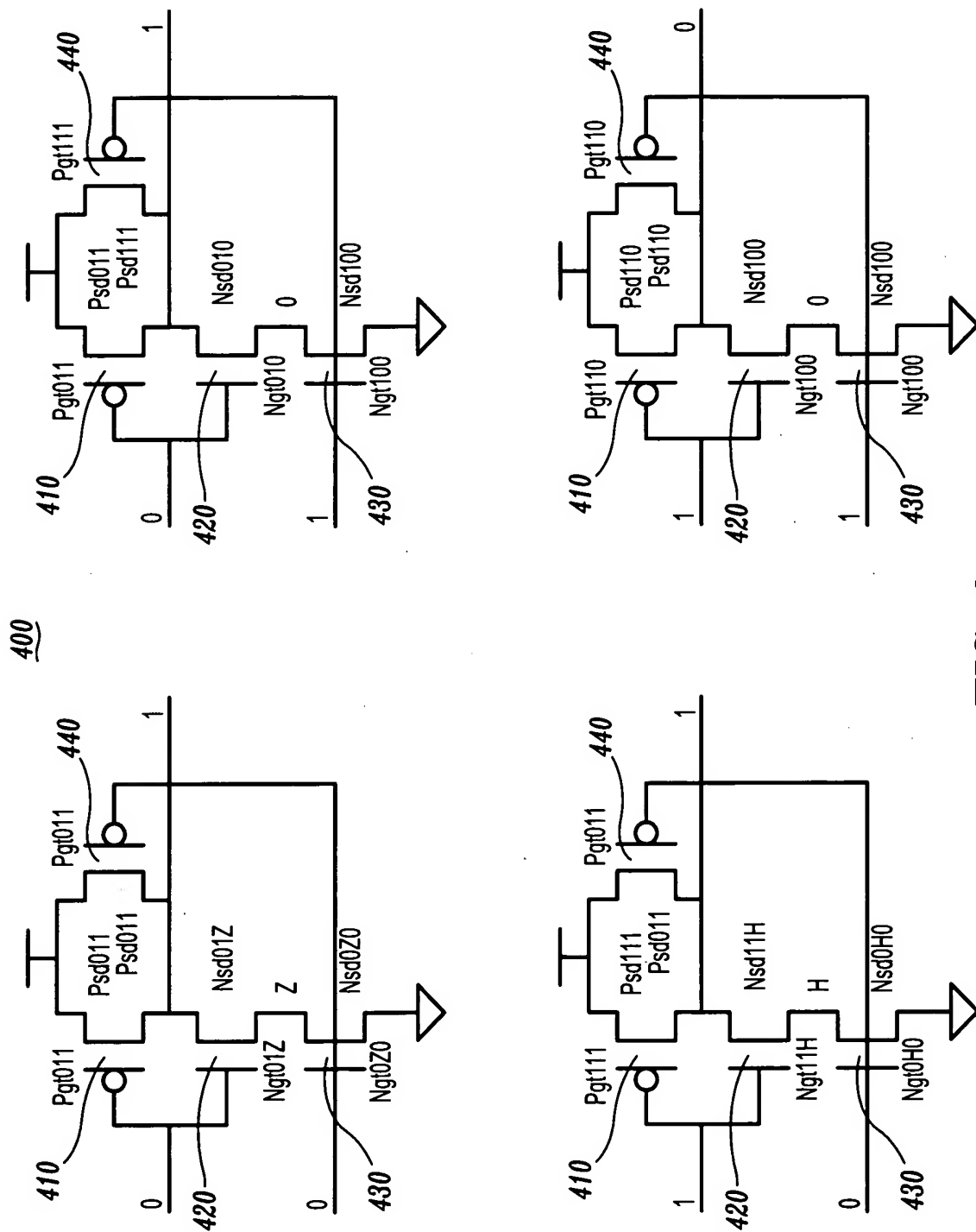
200

<u>210</u>	<u>220</u>	<u>230</u>
TYPE	Gds	Leak/ $\mu$ m
P-gate	011	1.54
P-gate	101	0.11
P-gate	110	0.11
P-gate	100	0.24
P-gate	10L	0.20
P-gate	1L0	0.20
P-gate	1LL	0.15
P-gate	1L1	0.10
P-gate	11L	0.10
P-gate	111	0.00
P-srcdrn	101	4.59
P-srcdrn	110	4.59
P-srcdrn	1L1	2.77
P-srcdrn	11L	2.77
P-srcdrn	111	0.00
P-srcdrn	0L0	0.00
P-srcdrn	00L	0.00
P-srcdrn	0LL	0.00
P-srcdrn	011	0.00
N-gate	001	0.11
N-gate	010	0.11
N-gate	011	0.24
N-gate	100	1.54
N-gate	00H	0.10
N-gate	0H0	0.10
N-gate	01H	0.20
N-gate	0H1	0.20
N-gate	0HH	0.15
N-gate	11H	0.00
N-gate	1H1	0.00
N-gate	1HH	0.00
N-srcdrn	001	2.68
N-srcdrn	010	2.68
N-srcdrn	00H	1.06
N-srcdrn	0H0	1.06
N-srcdrn	100	0.00
N-srcdrn	1H1	0.00
N-srcdrn	11H	0.00

FIG. 2



**FIG. 3**



**FIG. 4**

500

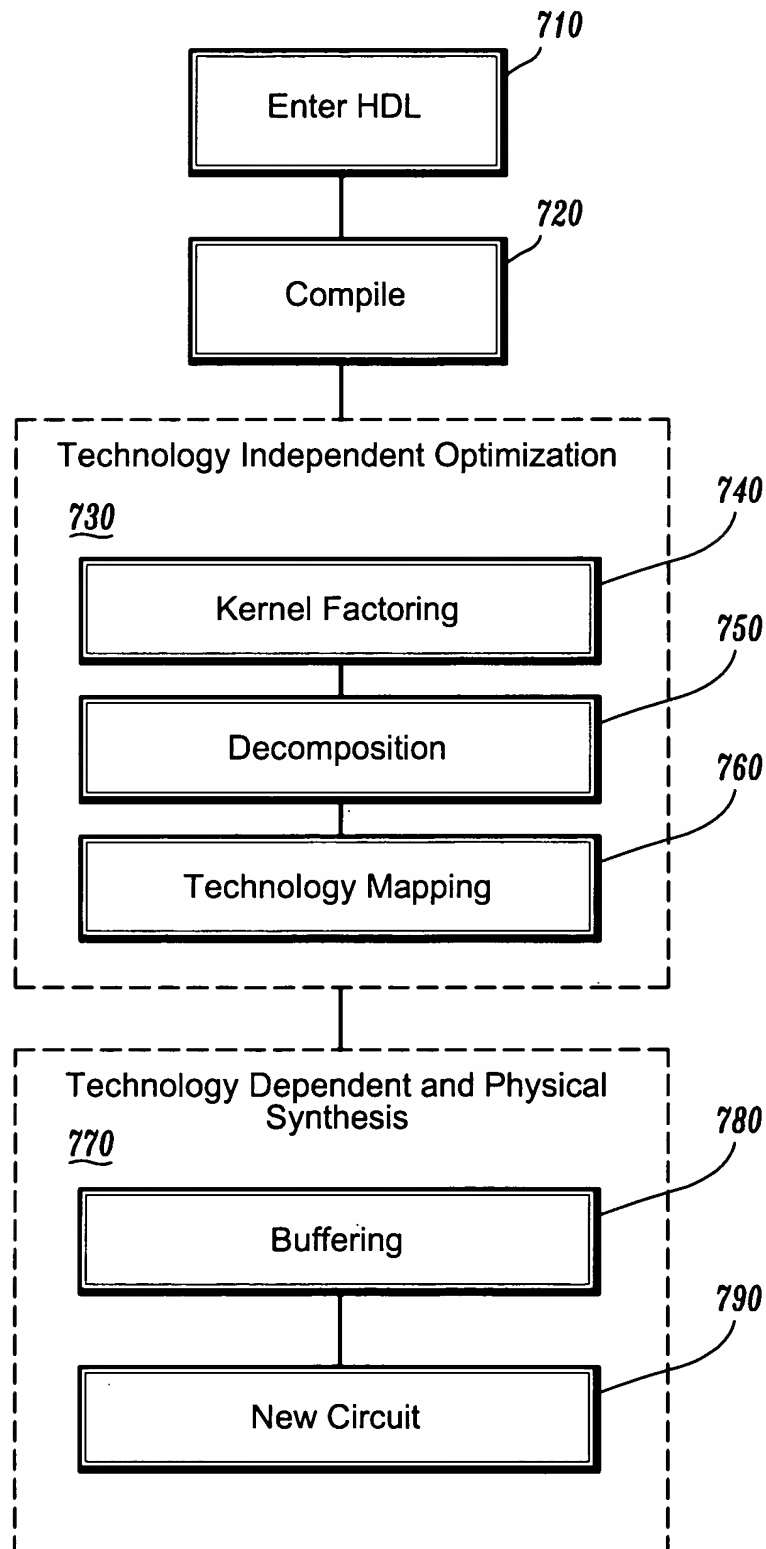
Topology	<u>510</u>	pfet	<u>520</u>	nfet	<u>530</u>
inverter		3.12		2.16	
nand2		1.94		1.09	
nand3		1.36		0.68	
nand4		1.06		0.48	
nor2		1.54		1.47	
nor3		0.90		1.12	
aoi21		1.29		1.15	
oai21		1.49		0.92	
aoi22		1.39		1.05	
oai22		1.35		1.06	
xor2		1.62		1.26	
xnor2		1.90		1.16	

**FIG. 5**

600

Macro <u>610</u>	AREA <u>620</u>	Leak <u>630</u>	Area <u>640</u>	Slack <u>650</u>
idcdsuc	6265	-4.94	-0.79	1ps
ioexcpt	6488	-4.77	2.74	0ps
idagilk	12967	-12.49	-2.45	-4ps
ifctl2	29552	-5.30	0.51	26ps
ifctl1	29873	-2.21	1.11	3ps
idecode	67878	-4.29	0.78	-16ps

**FIG. 6**



**FIG. 7**